		Exploring Aero	nautics				
		2007 Mathen					
State Frameworks							
Mississippi Mathema	tics						
Grade 5							
Activity/Lesson	State	Standards					
			Convert units within a given measurement				
Fundamentals of			system to include length, weight/mass, and				
Aeronautics (145-176)	MS	MA.5.4.b	volume.				
			Select and apply appropriate units for measuring				
Fundamentals of			length, mass, volume, and temperature in the				
Aeronautics (145-176)	MS	MA.5.4.d	standard (English and metric) systems.				
			Compare data and interpret quantities				
			represented on tables and graphs, including line				
			graphs, stem-and-leaf plots, histograms, and				
Fundamentals of			box-and-whisker plots to make predictions, and				
Aeronautics (145-176)	MS	MA.5.5.b	solve problems based on the information.				
			Convert units within a given measurement				
			system to include length, weight/mass, and				
Science of Flight	MS	MA.5.4.b	volume.				
Integrating with			Model and distinguish between prime and				
Aeronautics	MS	MA.5.1.d	composite numbers.				
Scientific Method(124-			Use the mean, median, mode, and range to				
144)	MS	MA.5.5.a	analyze a data set.				
,			,				
		Exploring Aero	onautics				
		2007 Mathem					
		State Frame					
Mississippi Mathema	tics						
Grade 6							
Activity/Lesson	State	Standards					
Fundamentals of			Describe a rule for a function table using words,				
Aeronautics (145-176)	MS	MA.6.2.e	symbols, and points on a graph and vice versa.				
			Apply techniques and tools to accurately find				
Fundamentals of			length, area, and angle measures to appropriate				
Aeronautics (145-176)	MS	MA.6.4.f	levels of precision.				
,			Apply techniques and tools to accurately find				
			length, area, and angle measures to appropriate				
Wings(177-208)	MS	MA.6.4.f	levels of precision.				
Integrating with		-	Model addition and subtraction of integers with				
Aeronautics	MS	MA.6.1.g	physical materials and the number line.				
			Solve simple equations using guess-and-check,				
Integrating with			diagrams, properties, or inspection, explaining				
Aeronautics	MS	MA.6.2.a	the process used.				
Integrating with		11.7 1.0.2.0	p. 00000 0000.				
Aeronautics	MS	MA.6.2.b	Complete a function table based on a given rule.				
Integrating with	IVIO	IVI/1.U.Z.D	Formulate algebraic expressions, equations,				
Aeronautics	MS	MA.6.2.c	and inequalities to reflect a given situation.				
Integrating with	IVIO	IVIA.U.Z.U	and inequalities to reliect a given situation.				
Aeronautics	MS	MA.6.2.d.4	Identity properties of addition and multiplication				
ACIUIIAUIIUS	IVIO	IVIA.U.Z.U.4	identity properties of addition and multiplication				

		Exploring Aero	onautics				
		2007 Mathem					
State Frameworks							
Mississippi Mathema	tics						
Grade 7							
Activity/Lesson	State	Standards					
			Recognize, describe, and state the rule of				
Fundamentals of			generalized numerical and geometric patterns				
Aeronautics (145-176)	MS	MA.7.2.a	using tables, graphs, words, and symbols.				
			Use proportions, estimates, and percentages to				
			construct, interpret, and make predictions about				
Fundamentals of			a population based on histograms or circle				
Aeronautics (145-176)	MS	MA.7.5.a	graph representations of data from a sample.				
			Solve contextual problems requiring the				
			comparison, ordering, and application of				
The Resource Center	MS	MA.7.1.h	integers.				
			Determine probabilities through				
			experimentation, simulation, or calculation.				
			(Note: Make and test conjectures and				
			predictions by calculating the probability of an				
Science of Flight	MS	MA.7.5.d	event.)				
			Recognize, describe, and state the rule of				
Integrating with			generalized numerical and geometric patterns				
Aeronautics	MS	MA.7.2.a	using tables, graphs, words, and symbols.				
			Solve equations that represent algebraic and				
Integrating with			real-world problems using multiple methods				
Aeronautics	MS	MA.7.2.b	including the real number properties.				
			Formulate algebraic expressions, equations,				
Integrating with			and inequalities to reflect a given situation and				
Aeronautics	MS	MA.7.2.c	vice versa.				
Integrating with							
Aeronautics	MS	MA.7.2.e.4	Identity properties of addition and multiplication				
Integrating with			Classify and compare three-dimensional shapes				
Aeronautics	MS	MA.7.3.a	using their properties.				
			Create an argument using the Pythagorean				
Integrating with	N40	NAA 7.0 -	Theorem principles to show that a triangle is a				
Aeronautics	MS	MA.7.3.e	right triangle.				
			Convert from one unit to another, perform basic				
Intograting with			operations, and solve real-world problems using				
Integrating with	MS	NAA 7 4 0	standard (English and metric) measurements				
Aeronautics	MS	MA.7.4.a	within the same system.				
			Use proportions, estimates, and percentages to construct, interpret, and make predictions about				
Scientific Method(124-			a population based on histograms or circle				
144)	MS	MA.7.5.a	graph representations of data from a sample.				
ודד)	IVIO	IVIA.1.3.a	graph representations of data from a sample.				
		Exploring Aero	nautics				
		2007 Mathem					
State Frameworks							
Mississippi Mathematics							
Grades 7-8							
Activity/Lesson	State	Standards					
			I .				

	1		Salva real world application problems that
Fundamentals of			Solve real-world application problems that
	MC	MA.7-8.PA.4.a	include length, area, perimeter, and circumference using standard measurements.
Aeronautics (145-176)	IVIS	IVIA.1-0.FA.4.a	circumerence using standard measurements.
Fundamentals of			Construct and interpret scatter plots to
Aeronautics (145-176)	MS	MA.7-8.PA.5.d	generalize trends from given data sets.
7.67671444166 (176-176)	IVIO	1717 U.7 U.1 7 U.O.U	Solve real-world application problems that
			include length, area, perimeter, and
Wings(177-208)	MS	MA.7-8.PA.4.a	circumference using standard measurements.
VVIIIg3(177-200)	IVIO	W/A.7-0.17A.4.a	Define, classify, and order rational and irrational
The Resource Center	MS	MA.7-8.PA.1.a	numbers and their subsets.
The resource series	IVIO	WIA.T-O.TA.T.a	Make and list conjectures by calculating
			probability for experimental or simulated
Science of Flight	MS	MA.7-8.PA.5.c	contexts.
	IVIO	IVIA.1-0.PA.3.C	
Integrating with	MC	MA 7 0 DA 2 0	Simplify and evaluate numerical and algebraic
Aeronautics	MS	MA.7-8.PA.2.a	expressions.
Integrating with	N40	NA 7 0 DA 0 -	Solve and check equations and inequalities
Aeronautics	MS	MA.7-8.PA.2.c	using one variable.
			Solve real-world application problems that
Integrating with			include length, area, perimeter, and
Aeronautics	MS	MA.7-8.PA.4.a	circumference using standard measurements.
			Develop, analyze, and explain methods for
Integrating with			solving problems involving proportions, such as
Aeronautics	MS	MA.7-8.PA.4.b	scaling and finding equivalent ratios.
		Exploring Aeron	
		2007 Mathema	
Min ala ala ala al Mada ana	1	State Framewo	orks
Mississippi Mathema	IICS		
Grades 8-9	04-4-	Ota va da vada	
Activity/Lesson	State	Standards	Contain and anniath a suggestion formula to
			Explain and apply the appropriate formula to
			determine length, midpoint, and slope of a
Fundamentals of			segment in a coordinate plane (i.e., distance
Aeronautics (145-176)	MS	MA.8-9.TA.4.b	formula, Pythagorean Theorem).
			Construct graphs, make predictions, and draw
Fundamentals of			conclusions from tables, line graphs, and scatter
Aeronautics (145-176)	MS	MA.8-9.TA.5.a	plots.
			Solve real-world problems involving
			measurements (i.e., circumference, perimeter,
Wings(177-208)	MS	MA.8-9.TA.4.a	area, volume, distance, temperature, etc.).
			Simplify and evaluate expressions using order of
Integrating with			operations and use real number properties to
Aeronautics	MS	MA.8-9.TA.1.b	justify solutions.
			Explain and illustrate how changes in one
Integrating with			variable may result in a change in another
Aeronautics	MS	MA.8-9.TA.2.b	variable.
Integrating with			Apply ratios and use proportional reasoning to
Aeronautics	MS	MA.8-9.TA.2.j	solve real-world algebraic problems.
Integrating with			Apply the Pythagorean Theorem to solve
Aeronautics	MS	MA.8-9.TA.3.a	problems.
ACIONAULOS	INIO	IVIA.U-3. IA.J.d	μιονιστιο.

Integrating with Aeronautics	MS		Solve real-world problems involving measurements (i.e., circumference, perimeter, area, volume, distance, temperature, etc.).
Scientific Method(124-			Construct graphs, make predictions, and draw conclusions from tables, line graphs, and scatter
144)	MS	MA.8-9.TA.5.a	plots.